

EST 09-AUG-2000  
IMAGE:3610616 5',

/note="Organ: pancreas; Vector: pOTB7; Site\_1: XhoI; Site\_2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCACGAG(G). Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)." "

RESULT 9  
 BUS37952.  
 LOCUS  
 DEFINITION  
 BUS37952 947 bp mRNA linear EST 13-SEP-2002  
 AGENCOURT 10186579 NIH\_MGC\_107 Homo sapiens cDNA clone  
 IMAGE:6568457 5', mRNA sequence.  
 BUS37952  
 BUS37952.1 GI:22848393  
 EST.  
 SOURCE  
 ORGANISM  
 Homo sapiens (human)  
 Homo sapiens  
 Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.  
 1 (bases 1 to 947)  
 NIH-MGC <http://mgc.nci.nih.gov/>.  
 National Institutes of Health, Mammalian Gene Collection (MGC)  
 Unpublished  
 COMMENT  
 Contact: Robert Strausberg, Ph.D.

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1. .947
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6568457"
/tissue_type="adenocarcinoma, cell line"

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XX	
PS	Claim 8; SEQ ID 12452; 2537pp + CD ROM; English
VV	

The present invention describes primer sets for synthesising 5602 full-length cDNAs defined in the specification. Where a primer set comprises: (a) an oligo-dT primer and an oligonucleotide complementary to the complementary strand of a polynucleotide which comprises one of the 5604 nucleotide sequences defined in the specification, where the oligonucleotide comprises at least 15 nucleotides; or (b) a combination of an oligonucleotide comprising a sequence complementary to the complementary strand of a polynucleotide which comprises a 5'-end sequence and an oligonucleotide comprising a sequence complementary to a polynucleotide which comprises a 3'-end sequence, where the oligonucleotide comprises at least 15 nucleotides and the combination of the 5'-end sequence/3'-end sequence is selected from those defined in the specification. The primer sets can be used in antisense therapy and in gene therapy. The primers are useful for synthesising polynucleotides particularly full-length cDNAs. The primers are also useful for the detection and/or diagnosis of the abnormality of the proteins encoded by the full-length cDNAs. The primers allow obtaining of the full-length cDNAs easily without any specialised methods. AAH03166 to AAH13628 and AAH13633 to AAH18742 represent human cDNA sequences; AB092446 to AAB95893 represent human amino acid sequences; and AAH13629 to AAH13632 represent oligonucleotides, all of which are used in the exemplification of the present invention.

Sequence 1755 BP; 350 A; 577 C; 505 G; 323 T; 0 other;

Query Match	35.1%;	Score 694;	DB 22;	Length 1755;
Best Local Similarity	89.1%;	Pred. No. 2.2e-137;		
Matches 802; Conservative	0;	Mismatches 0;	Indels 98;	Gaps 1;

OY	1081	ATGGCCCCGGAGATTGACACTTCTACCCCTGAGCGGCTTACCTACCAATATGTGGCCTC	1140
Db	322	ATGGCCCCGGAGATTGACAACTTCTACCCCTGAGCGCTTACCTACCAATATGTGGCCTC	381
OY	1141	TGGGATGAGGAGTCGGCCCCAGCTGCTGCCCCACTGGGAAGAGACGCACCGCTTCATTGAG	1200
Db	382	TGGGATGAGGAGTCGGCCCCAGCTGCTGCCCCACTGGGAAGAGACGCACCGCTTCATTGAG	441
OY	1201	GCTGCAAGAGCACAGGGCACCGACGTCGTGCTGTCCACTGCAAGATGGGCGTCAGCCGCTCA	1260
Db	442	GCTGCAAGAGCACAGGGCACCGACGTCGTGCTGTCCACTGCAAGATGGGCGTCAGCCGCTCA	501
OY	1261	GCGGCCACAGTGTGCGCTATGCCATGAGACATGCAATGACAGCCTGAGCAGGCCCTG	1320
Db	502	GCGGCCACAGTGTGCGCTATGCCATGAGACATGCAATGACAGCCTGAGCAGGCCCTG	561
OY	1321	CGCCACGTGCAGAGAGCTCCGGCCCCATCGCCCCCCCAACCCCTGGCTTCTGCGCCAGCTG	1380
Db	562	CGCCACGTGCAGAGAGCTCCGGCCCCATCGCTCGCCCCCAACCCCTGGCTTCTGCGCCAGCTG	621
OY	1381	CAGATCTACCAAGGGCATCTCTGATCGGCCAGCCGCCAGAGCCATGTCTGGGAGCAGAAAGTG	1440
Db	622	CAGATCTACCAAGGGCATCTCTGATCGGCCAGCCGCCAGAGCCATGTCTGGGAGCAGAAAGTG	1440
OY	1441	GGTGGGGTCTCCCCAGAGAGACACCAGCCCTGAAAGTCTTACACCACTTCCCACTCTT	1500
Db	646	-----	645
OY	1501	CCGCCAGAACTTAGGGGTGGGGAGAGAGAAAGTTGAGGCATGAGAGAGCCAGGCA	1560
Db	646	--GCCAGAACTTAGGGGTGGGGAGAGAGAAAGTTGAGGCATGAGAGAGCCAGGCA	703
OY	1561	GCCCCGAAAGAGAGAGCTGGGGCCACGGCCACGTATAAACCCTCCGAGGGGTCATGAGTCC	1620
Db	704	GCCCCGAAAGAGAGAGCTGGGGCCACGGCCACGTATAAACCCTCCGAGGGGTCATGAGTCC	763
OY	1621	ATCAGTCTTCTGAGCCCTCTTGAGCTGAGAGCAACTCAGGACCAAGTACATGCCA	1680
Db	764	ATCAGTCTTCTGAGCCCTCTTGAGCTGAGAGCAACTCAGGACCAAGTACATGCCA	823
OY	1681	GAGGCTCTCTTCCCAAGAGTCTTACATGAAGAGCCCTTGACAGCCCTTCCCAAGCTT	1740

